

2. (Twice Amended) The plastic optical fiber end face treatment method as claimed in Claim 1 further comprising:

separating the core end face from the mold and cooling the core end face naturally, and

*B2* intermittently repeating the pressing/separating between the core end face and the transfer face of the mold to deform a shape of the core end face gradually and to transfer the transfer face of the mold.

3. (Twice Amended) The plastic optical fiber end face treatment method as claimed in Claim 1, wherein the core end face is formed in a lens face shape.

7. (New) The plastic optical fiber end face treatment method as claimed in Claim 2, wherein the core end face is formed in a lens face shape.

*B3* 8. (New) The plastic optical fiber end face treatment method as claimed in Claim 1, wherein chamfering further comprises cutting the peripheral portion of the clad of the core end face.

9. (New) The plastic optical fiber end face treatment method as claimed in Claim 7, wherein cutting the core end face further comprises utilizing a cutter to cut the peripheral portion of the clad of the core end face.

10. (New) The plastic optical fiber end face treatment method as claimed in Claim 1, wherein chamfering process further comprises applying a grinding stone to the clad to remove the peripheral portion of the clad of the core end face.